

Experiment Number: 091478

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tributoxyethyl phosphate

CAS Number: 78-51-3

Date Report Requested: 09/11/2018

Time Report Requested: 07:01:42

NTP Study Number:

091478

Study Result:

Negative

Experiment Number: 091478

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tributyoxyethyl phosphate
CAS Number: 78-51-3

Date Report Requested: 09/11/2018

Time Report Requested: 07:01:42

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	70 ± 5.4	92 ± 5.9	100 ± 4.4	75 ± 7.4	85 ± 7.5
3.3		107 ± 1.5		103 ± 5.2	
10.0		100 ± 8.4		102 ± 5.9	
33.3	95 ± 6.6	93 ± 4.6	108 ± 4.9	92 ± 3.2	58 ± 6.4
100.0	78 ± 1.5	92 ± 5.2	109 ± 10.1	90 ± 9.2	50 ± 1.5
333.3	24 ± 8.6 ^s	72 ± 4.6 ^s	85 ± 2.7 ^s	65 ± 6.8	45 ± 4.1 ^s
1000.0	14 ± 14.0 ^s		73 ± 6.2 ^s		44 ± 8.0 ^s
3333.3	0 ± 0.0 ^s		49 ± 4.9 ^s		12 ± 2.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			234 ± 10.5	684 ± 44.0	428 ± 22.9
Positive Control ³	318 ± 21.4	394 ± 5.7			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	91 ± 6.0
3.3	99 ± 6.4
10.0	81 ± 4.4
33.3	93 ± 11.7
100.0	101 ± 5.8
333.3	70 ± 3.0 ^s
1000.0	
3333.3	
Trial Summary	Negative
Positive Control ²	1492 ± 34.2
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.3	8 ± 0.6	12 ± 1.8	7 ± 0.9	5 ± 0.6
33.3	17 ± 4.1	12 ± 2.8	9 ± 1.0	8 ± 0.6	4 ± 0.9
100.0	22 ± 4.1	9 ± 4.0	10 ± 3.4	7 ± 1.2	4 ± 1.2
333.3	18 ± 0.5	7 ± 1.2	9 ± 2.0	6 ± 1.2	4 ± 0.6
1000.0	15 ± 0.9	8 ± 1.0 ^s	9 ± 3.0	4 ± 1.5 ^s	4 ± 0.6
3333.3	17 ± 5.8 ^s	7 ± 3.2 ^s	10 ± 0.6 ^s	3 ± 0.3 ^s	5 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	216 ± 8.2	244 ± 5.8			
Positive Control ⁴			155 ± 7.6	189 ± 7.5	293 ± 11.9

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.7
33.3	13 ± 1.5
100.0	6 ± 1.2
333.3	5 ± 0.6 ^s
1000.0	5 ± 0.9 ^s
3333.3	2 ± 0.7 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	274 ± 6.9

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.3	7 ± 1.5	16 ± 1.2	6 ± 0.9	5 ± 0.6
3.3		4 ± 0.3		5 ± 0.9	
10.0		4 ± 0.3		5 ± 1.5	
33.3	7 ± 2.4	5 ± 1.2	16 ± 4.9	5 ± 0.3	4 ± 0.3
100.0	7 ± 0.6	5 ± 0.6	15 ± 1.2	5 ± 1.2	3 ± 0.0
333.3	4 ± 1.2 ^s	4 ± 1.2 ^s	11 ± 1.9 ^s	8 ± 1.5	2 ± 0.7 ^s
1000.0	6 ± 2.0 ^s		3 ± 1.5 ^s		1 ± 0.7 ^s
3333.3	3 ± 0.3 ^s		1 ± 1.3 ^s		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			239 ± 35.2	251 ± 18.4	113 ± 6.2
Positive Control ⁵	59 ± 2.0	107 ± 41.0			

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Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	6 ± 1.0
3.3	5 ± 1.5
10.0	6 ± 0.7
33.3	6 ± 3.0
100.0	5 ± 1.9
333.3	6 ± 1.8 ^s
1000.0	
3333.3	
Trial Summary	Negative
Positive Control ⁴	464 ± 28.0
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.2	14 ± 2.1	25 ± 2.2	26 ± 3.2	40 ± 12.5
33.3	14 ± 2.6	16 ± 1.5	33 ± 5.2	21 ± 2.6	22 ± 3.9
100.0	17 ± 1.5	16 ± 1.5	24 ± 2.3	23 ± 4.1	23 ± 2.0
333.3	16 ± 1.2	13 ± 3.2	31 ± 3.5	16 ± 1.5	18 ± 1.2
1000.0	16 ± 1.5	10 ± 3.0	29 ± 4.2	13 ± 1.8	17 ± 4.0 ^s
3333.3	18 ± 2.0 ^s	11 ± 1.2 ^s	35 ± 4.1 ^s	16 ± 2.7 ^s	20 ± 5.8 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			146 ± 5.2	180 ± 10.4	265 ± 3.8
Positive Control ⁶	504 ± 20.3	684 ± 9.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	22 ± 3.4
33.3	26 ± 3.5
100.0	23 ± 3.4
333.3	20 ± 2.5
1000.0	18 ± 1.2
3333.3	23 ± 3.5 ^s
Trial Summary	Negative
Positive Control ²	638 ± 104.1
Positive Control ⁶	

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LEGEND

Values given as Mean or Mean \pm Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****